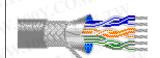


BELDENCable

8103 Paired - Low Capacitance Computer Cable for EIA RS-232/422





For more information please call
1-800-Belden1

See Put-ups and Colors

Color Code Chart : No. 5 for Paired Cables (Western Electric Standard).pdf

Description:

24 AWG stranded (7x32) TC conductors, Datalene® insulation, twisted pairs, overall Beldfoil® (100% coverage) + TC braid shield (65% coverage), 24 AWG stranded TC drain wire, PVC jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Pairs	3 VVV CO
Total Number of Conductors	6 WW. Too CO
AWG	24
Stranding	7x32
Conductor Material	TC - Tinned Copper

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INSULATION:

Insulation Material Trade Name Datalene®

Insulation Material FPE - Foam Polyethylene

Pair Color Code Chart:

Number	Color	Number	Color
1	White/Blue & Blue/White	3 V C	White/Green & Green/White
2	White/Orange & Orange/White	1, 100 x	CONT.

OUTER SHIELD:

Outer Shield Material Trade Name Beldfoil®
Outer Shield Type Tape/Braid

Outer Shield Material:

Layer Number	Material Trade Name	Туре	Material	% Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape w/Shorting Fold	100
2	VIVI 100	Braid	TC - Tinned Copper	65

Outer Shield % Coverage 100 %

OUTER SHIELD DRAIN WIRE:

Outer Shield Drain Wire AWG



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Outer Shield Drain Wire Stranding 7x32

Outer Shield Drain Wire Conductor Material TC - Tinned Copper

OUTER JACKET:

Outer Jacket Material PVC - Polyvinyl Chloride

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter .283 in.

MECHANICAL CHARACTERISTICS:

Operating Temperature Range -30°C To +80°C

UL Temperature Rating 80°C (UL AWM Style 2919)

Bulk Cable Weight 41 lbs/1000 ft.

Max. Recommended Pulling Tension 38.5 lbs.

Min. Bend Radius (Install) 3 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification CM

CEC/C(UL) Specification CM

AWM Specification UL Style 2919 (30 V 80°C)

EU CE Mark (Y/N) Yes

EU RoHS Compliant (Y/N) Yes

EU RoHS Compliance Date (mm/dd/yyyy): 01/01/2004

FLAME TEST:

UL Flame Test UL1685 UL Loading

PLENUM/NON-PLENUM:

Plenum (Y/N)

Plenum Number 88103

ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance 100 Ohms

Nom. Capacitance Conductor to Conductor @ 1 KHz 12.5 pF/ft

Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz 22 pF/ft

Nominal Velocity of Propagation 78 %

Nom. Conductor DC Resistance @ 20 Deg. C 24 Ohms/1000 ft

Nominal Outer Shield DC Resistance @ 20 Deg. C 3.8 Ohms/1000 ft

Max. Operating Voltage - UL 30 V RMS (UL AWM Style 2919), 300 V RMS

Max. Recommended Current 1.5 Amps per conductor @ 25°C

NOTES:

Detailed Specifications & Technical Data



BELDENCable

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Notes	Datalene® insulation features include low dielectric constant and a dissipation
	factor for high-speed, low-distortion data handling. Physical properties include
	good crush resistance and light weight.

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
8103 060100	3 PR #24 FHDPE SH PVC	100	4.6	CHROME	MIN
8103 0601000	3 PR #24 FHDPE SH PVC	1000	42	CHROME	C
8103 06010000	3 PR #24 FHDPE SH PVC	10000	430	CHROME	CY
8103 060500	3 PR #24 FHDPE SH PVC	500	21.5	CHROME	CCV

C = CRATE REEL PUT-UP.

Y = FINAL PUT-UP LENGTH MAY VARY -10% TO +20% FROM LENGTH SHOWN. MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'.

Revision Number: 1 Revision Date: 07-22-2005

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